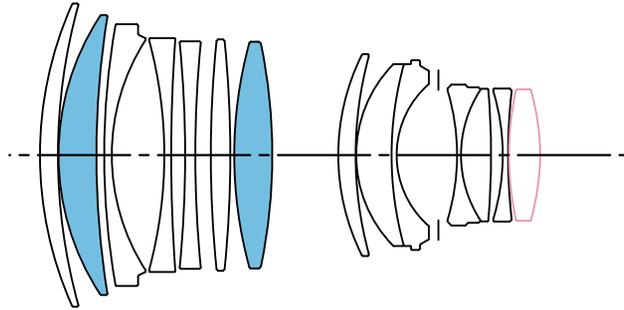


SIGMA 85mm T1.5 FF Technical Specifications

Lens construction



14 Elements in 12 Groups

■:SLD (Special Low Dispersion) Glass □:Aspherical Lens

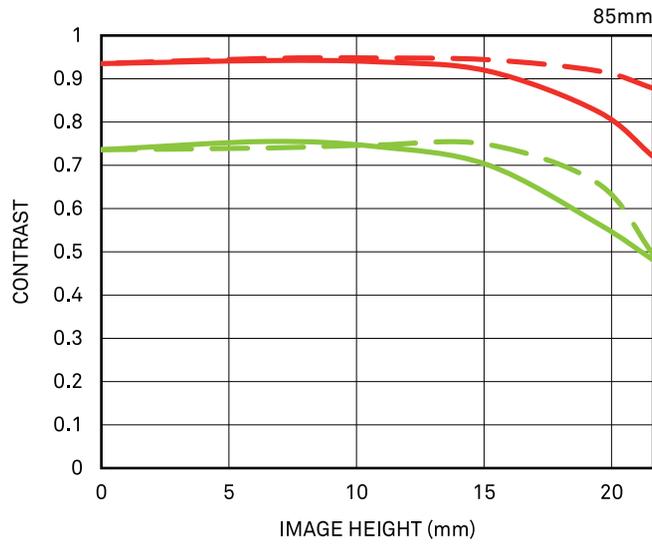
Specifications

FF High Speed Prime Line		85mm T1.5 FF
Focal Length		85mm
Aperture(T)		T1.5 to T16
Number of Diaphragm Blades		9 (Rounded diaphragm)
Close Focus ¹		0.85m / 2'10"
Image Coverage		FF Φ43.3mm
Front diameter		95mm
Filter Size		86mm
Length	EF mount ²	126.9mm
	E-mount ³	152.9mm
	PL mount ⁴	118.9mm
Weight ⁵	EF mount	1425g
	E-mount	1470g
	PL mount	1345g
FF ⁶		23.9°
S35 ⁷		16.5°
APS-C ⁸		15.9°

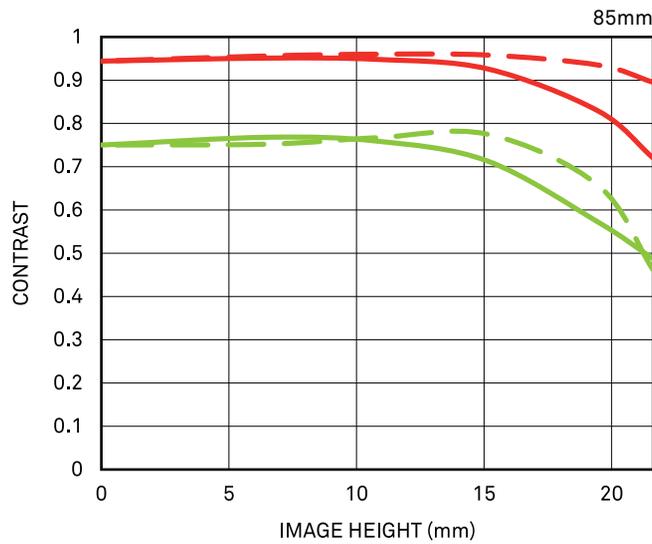
¹ Close focus distance is measured from the image plane ² Front to EF mount flange ³ Front to E-mount flange ⁴ Front to PL mount flange ⁵ Without lens support foot ⁶ Horizontal angle of view for a full-frame camera aperture (aspect ratio 1:1.5, dimensions 36mm×24mm / 1.42"×0.94") ⁷ Horizontal angle of view for a super 35 digital cinema camera aperture (aspect ratio 1:1.8, dimensions 24.6mm×13.8mm / 0.97"×0.54") ⁸ Horizontal angle of view for an APS-C camera aperture (aspect ratio 1:1.5, dimensions 23.7mm×15.7mm / 0.93"×0.62") The specifications are subject to change without a notice.

MTF chart

Diffraction MTF



Geometrical MTF



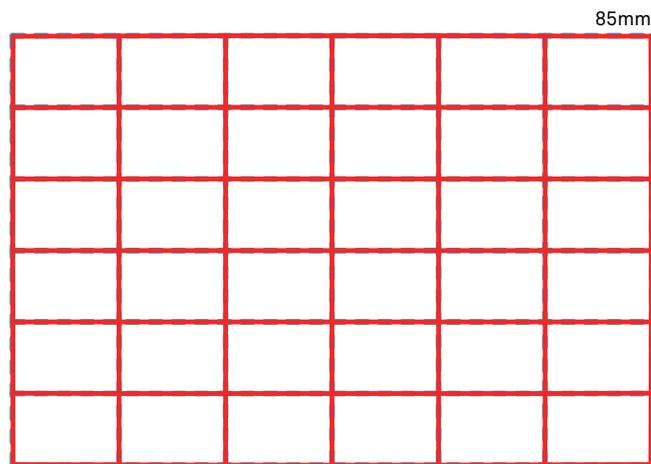
Spatial frequency	S	M
10 lp / mm		
30 lp / mm		

S : Sagittal Line
M : Meridional Line

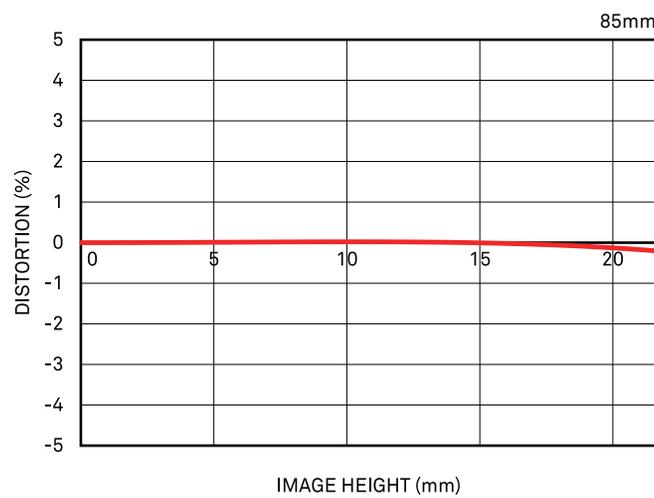
The MTF chart gives the result at the wide-open aperture.

Distortion

Effective distortion



Relative distortion



Vignetting

